ABSTRACT OF THE DISCLOSURE

Receiving properties are greatly improved by varying and outputting an output voltage of I/Q signals, which correspond to an input level in a semiconductor integrated circuit device for baseband processing. When a portable terminals system reaches a training period after power is supplied thereto, a switch is turned on and another switch is turned off and a digital comparator compares an adjustment voltage outputted from an output-voltage adjustment circuit and a reference voltage of a baseband circuit to output comparison results thereof. A control circuit controls and adjusts, based on the comparison results, a voltage-controlled unit so that an adjustment voltage may become nearly equivalent to the reference voltage of the baseband circuit. Thereby the output level of the I signals (, Q signals) outputted from the RF processing unit is corrected, and the output levels of the I signals (, Q signals) are set to be equivalent to that of the reference voltage of the baseband circuit.